

10072620-041902

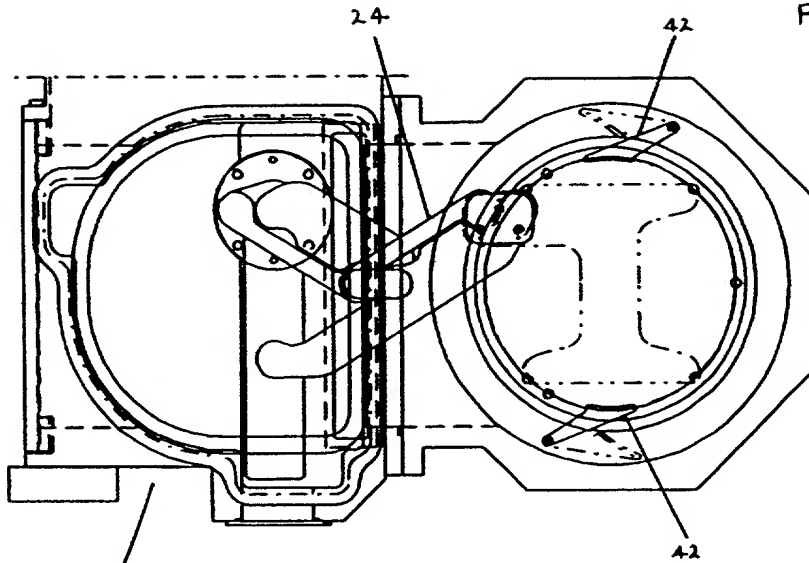


FIGURE
1A

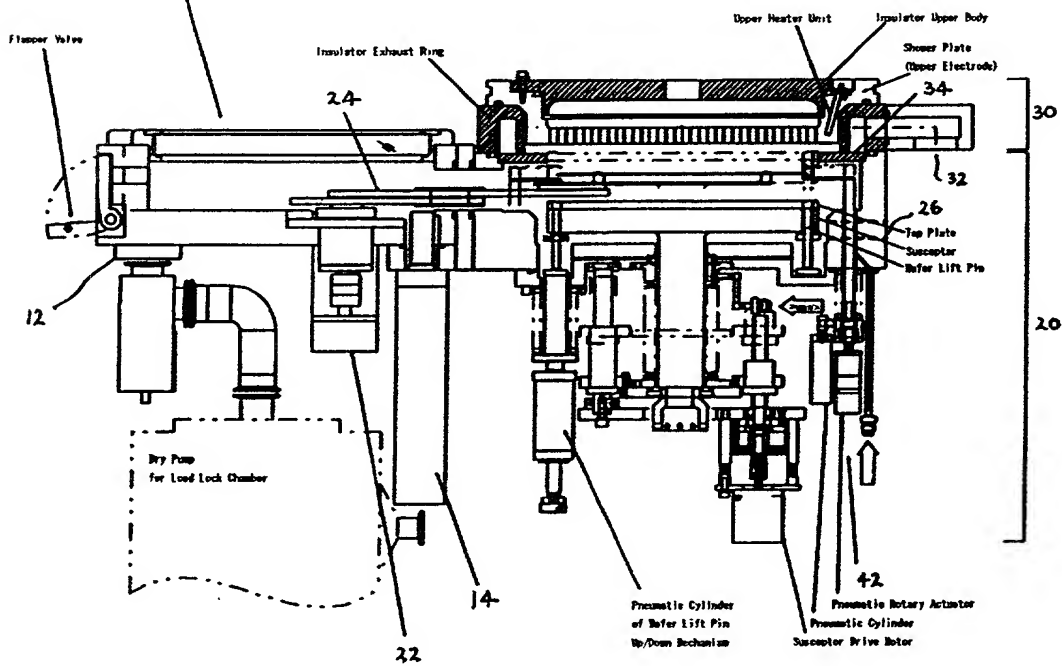


FIGURE
1B

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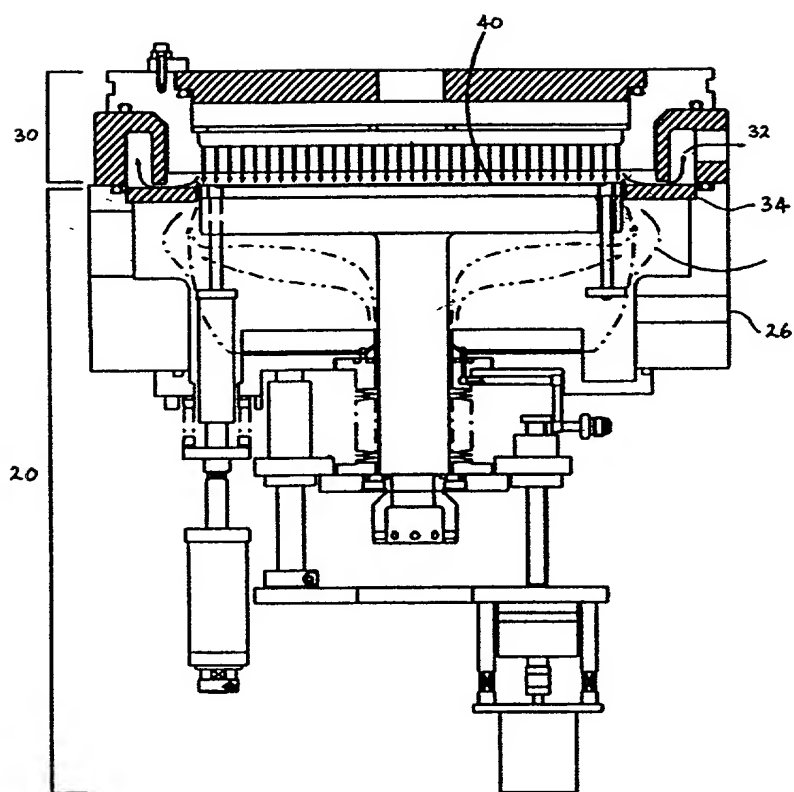
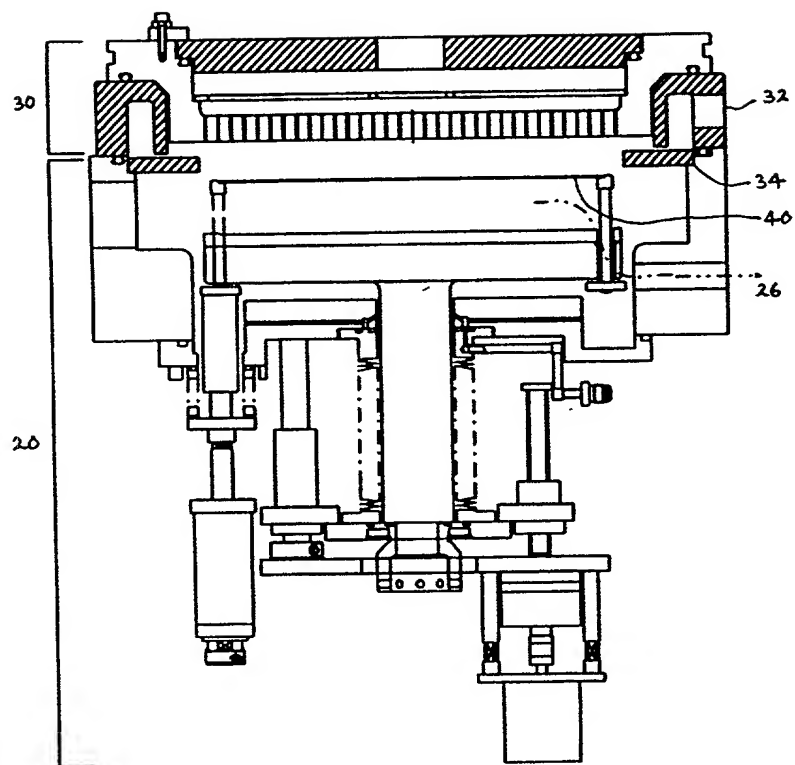


FIGURE 2



The schematic diagram illustrates the gas handling system for the T-1000, divided into two main sections: the upper reactor section and the lower IOG section.

Upper Section (Reactors and Gas Box):

- GAS BOX:** The central gas source at the top.
- Reactors:** Two reactors, **Reactor L** and **Reactor R**, each containing a **WHC** (Water Handling Chamber).
- Gas Inlets:** Each reactor has an **RC IN** (Regulator Control Inlet) with a valve and a **CM** (Control Module) connected to an **RC PUMP**.
- WHC Pumps:** Each **WHC** is connected to a **WHC PUMP** via a **1ATM SW** (1 Atmosphere Switch) and a valve.
- NFCs:** Each **WHC** is connected to an **NFC** (Non-Flammable Control) via a valve.
- APCs:** Each **NFC** is connected to an **APC** (Automatic Pressure Control) via a valve.
- IN:** Inlet lines for each reactor section.

Lower Section (IOG and Pressure Control):

- IOG (Inert Gas Outlet):** A central unit with two sections, **IOG L** and **IOG R**, each with a **GV for WHC** (Gas Valve for Water Handling Chamber) and a **GV for WHC R**.
- Pressure Control:** The **IOG** is connected to a **BACKFILL** line with a valve, an **FM** (Flow Meter) with a valve, and an **NFC** (Non-Flammable Control) with a valve.
- Pressure Gauge:** A **PRESSURE GAUGE** is connected to the **IOG** via a **1ATM SW**.
- IOG Pumps:** The **IOG** is connected to an **IOG PUMP FAST** and an **IOG PUMP SLOW** via valves.
- DRY PUMP:** A **DRY PUMP** is connected to the bottom of the **IOG** section.

FIGURE
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